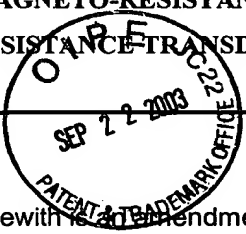
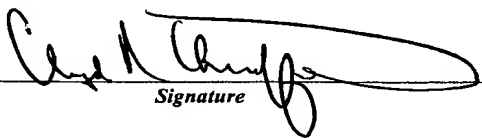


<b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b>			Docket No. <b>02230028AA</b>		
Applicant(s):					
Serial No. <b>09/916,529</b>	Filing Date <b>July 30, 2001</b>	Examiner <b>W. Klimowicz</b>		Group Art Unit <b>2652</b>	
Invention: <b>MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-RESISTANCE EFFECT HEAD, MAGNETO-RESISTANCE TRANSDUCER SYSTEM, AND MAGNETIC STORAGE SYSTEM</b>					
			<b>RECEIVED</b> <b>SEP 24 2003</b> <b>Technology Center 2600</b>		
<b>TO THE COMMISSIONER FOR PATENTS:</b>					
Transmitted herewith is an amendment in the above-identified application.					
The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	8 -	20 =	0 x	\$18.00	\$0.00
INDEP. CLAIMS	2 -	3 =	0 x	\$84.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>
<input checked="" type="checkbox"/> No additional fee is required for amendment. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. <b>50-2041</b> <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.					
 Signature			Dated: <b>9/2/2003</b>		
<b>Clyde R Christofferson</b> <b>Registration No. 34,138</b> <b>Whitham, Curtis &amp; Christofferson, PC</b> <b>11491 Sunset Hills Road, Suite 340</b> <b>Reston, Virginia 20190</b> <b>US</b> <b>Customer Number 30743</b>			I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  _____ Signature of Person Mailing Correspondence  _____ Typed or Printed Name of Person Mailing Correspondence		
CC:					



01FN046US  
Amendment dated 09/22/2003

09/916,529  
Reply to office action mailed 06/23/2003

02230028aa

#16/B  
(N.E.)  
MG  
10/29/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of  
Kazuhiko Hayashi, et al.

Serial No. 09/916,529

Group Art Unit 2652

Filed July 30, 2001

Examiner W. Klimowicz

For MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-  
RESISTANCE EFFECT HEAD, MAGNETO-RESISTANCE  
TRANSDUCER SYSTEM, AND MAGNETIC STORAGE SYSTEM

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RECEIVED

SEP 24 2003

Technology Center 2600

AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

In response to the Office Action mailed June 23, 2003, please amend the  
above-identified patent application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are indicated by the notation "currently amended" in the  
listing of claims beginning on page 40 of this paper.

**Remarks** begin on page 43 of this paper.